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# FCC Test Report

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Report No.: AGC06323210302FE02

**FCC ID** : 2AAFMRDA0032  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : Wireless Headset  
**BRAND NAME** : CORSAIR  
**MODEL NAME** : RDA0032  
**APPLICANT** : Corsair Memory, Inc.  
**DATE OF ISSUE** : Apr. 15, 2021  
**STANDARD(S)** : FCC Part 15.247  
**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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**REPORT REVISE RECORD**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Apr. 15, 2021	Valid	Initial Release

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## 1. VERIFICATION OF COMPLIANCE


<b>Applicant</b>	Corsair Memory, Inc.
<b>Address</b>	47100 Bayside Pkwy, Fremont, CA 94538, USA
<b>Manufacturer</b>	Corsair Memory, Inc.
<b>Address</b>	47100 Bayside Pkwy, Fremont, CA 94538, USA
<b>Factory1</b>	Shenzhen Horn Audio Co., Ltd.
<b>Address1</b>	No.6, 4th Guihua Road, Pingshan District, Shenzhen, Guangdong, P.R. China
<b>Factory2</b>	HORN(VIET NAM)COMPANY LIMITED
<b>Address2</b>	N0.8 & 2 Standard Factory, Land Lot CN1, An Duong Industrial Zone, Hong Phong Commune, An Duong District, Hai Phong City, VietNam
<b>Product Designation</b>	Wireless Headset
<b>Brand Name</b>	CORSAIR
<b>Test Model</b>	RDA0032
<b>Date of test</b>	Mar. 19, 2021 to Apr. 15, 2021
<b>Deviation</b>	No any deviation from the test method
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	AGCRT-US-BLE/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Prepared By   
 \_\_\_\_\_  
 Cool Cheng  
 (Project Engineer) Apr. 15, 2021

Reviewed By   
 \_\_\_\_\_  
 Max Zhang  
 (Reviewer) Apr. 15, 2021

Approved By   
 \_\_\_\_\_  
 Forrest Lei  
 (Authorized Officer) Apr. 15, 2021

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as a “Wireless Headset”. It is designed by way of utilizing the GFSK technology to achieve the system operation.

A major technical description of EUT is described as following

<b>Operation Frequency</b>	2402MHz to 2478MHz
<b>RF Output Power</b>	Ant1: -1.071dBm(Max) Ant2: -0.361dBm(Max)
<b>Modulation</b>	GFSK
<b>Number of channels</b>	77 Channels
<b>Antenna Designation</b>	FPC Antenna (Comply with requirements of the FCC part 15.203)
<b>Antenna Gain</b>	Ant1: 2.31dBi Ant2: 1.24dBi
<b>Hardware Version</b>	MB :V10 VR V1
<b>Software Version</b>	Headset_Firmware_v2.7.59 and Bluetooth_Firmware_v1.7.96
<b>Power Supply</b>	DC 3.7V by battery or DC 5V by USB

**Note:**

1.CH01~CH77 are Operating within 2402~2478MHz

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**2.2. TABLE OF CARRIER FREQUENCIES**

Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
01	2402	27	2428	53	2454
02	2403	28	2429	54	2455
03	2404	29	2430	55	2456
04	2405	30	2431	56	2457
05	2406	31	2432	57	2458
06	2407	32	2433	58	2459
07	2408	33	2434	59	2460
08	2409	34	2435	60	2461
09	2410	35	2436	61	2462
10	2411	36	2437	62	2463
11	2412	37	2438	63	2464
12	2413	38	2439	64	2465
13	2414	39	2440	65	2466
14	2415	40	2441	66	2467
15	2416	41	2442	67	2468
16	2417	42	2443	68	2469
17	2418	43	2444	69	2470
18	2419	44	2445	70	2471
19	2420	45	2446	71	2472
20	2421	46	2447	72	2473
21	2422	47	2448	73	2474
22	2423	48	2449	74	2475
23	2424	49	2450	75	2476
24	2425	50	2451	76	2477
25	2426	51	2452	77	2478
26	2427	52	2453		

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### 2.3. RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: 2AAFMRDA0032** filing to comply with the FCC Part 15.247 requirements.

### 2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

### 2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device. For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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### 3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

- Uncertainty of Conducted Emission,  $U_c = \pm 3.2$  dB
- Uncertainty of Radiated Emission below 1GHz,  $U_c = \pm 3.9$  dB
- Uncertainty of Radiated Emission above 1GHz,  $U_c = \pm 4.8$  dB
- Uncertainty of total RF power, conducted,  $U_c = \pm 0.8$  dB
- Uncertainty of RF power density, conducted,  $U_c = \pm 2.6$  dB
- Uncertainty of spurious emissions, conducted,  $U_c = \pm 2.7$  dB
- Uncertainty of Occupied Channel Bandwidth:  $U_c = \pm 2$  %

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#### 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.

#### Software Setting



```

C:\Windows\system32\cmd.exe
C:\Users\Administrator\Desktop\AGC-06323-21-02-02 豪恩 无线游戏耳机套装 RDA0036\定频\GW043项目定频软件\!20190430_lola2_tools\Pp\ProdTest\Bat>. \SetTxBurstMode.bat
t 02 02 01 0 3
Status: RSS_SUCCESS

C:\Users\Administrator\Desktop\AGC-06323-21-02-02 豪恩 无线游戏耳机套装 RDA0036\定频\GW043项目定频软件\!20190430_lola2_tools\Pp\ProdTest\Bat>_

```

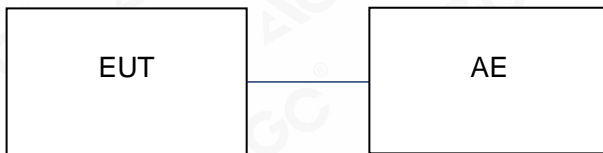
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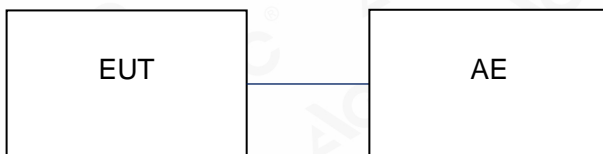
## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF TESTED SYSTEM

Radiated Emission Configure:



Conducted Emission Configure:



### 5.2. EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Wireless Headset	RDA0032	2AAFMRDA0032	EUT
2	Control Box	N/A	USB-TTL	AE
3	USB	N/A	DC5V	AE
4	Charger line	N/A	1.8m unshielded	Accessory
5	Dongle	N/A	N/A	Accessory
6	AUX line	N/A	1.6m unshielded	Accessory

### 5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
15.247 (b)(3)	Peak Output Power	Compliant
15.247 (a)(2)	6 dB Bandwidth	Compliant
15.247 (d)	Conducted Spurious Emission	Compliant
15.247 (e)	Maximum Conducted Output Power Density	Compliant
15.209	Radiated Emission	Compliant
15.207	Conducted Emission	Compliant

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## 6. TEST FACILITY

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
<b>Designation Number</b>	CN1259
<b>FCC Test Firm Registration Number</b>	975832
<b>A2LA Cert. No.</b>	5054.02
<b>Description</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd is accredited by A2LA

### TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
LISN	R&S	ESH2-Z5	100086	Jul. 03,2020	Jul. 02,2021
Test software	R&S	ES-K1(Ver.V1.71)	N/A	N/A	N/A

### TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2021
EXA Signal Analyzer	Agilent	N9010A	MY53470504	Dec. 07, 2020	Dec. 06, 2021
2.4GHz Filter	EM Electronics	2400-2500MHz	N/A	Mar. 23, 2020	Mar. 22, 2022
Attenuator	ZHINAN	E-002	N/A	Sep. 09, 2019	Sep. 08, 2021
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 09, 2019	Sep. 08, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 17, 2019	May 16, 2021
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 08, 2020	Jan. 07, 2023
Test software	FARA	EZ-EMC (Ver.RA-03A)	N/A	N/A	N/A

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## 7. PEAK OUTPUT POWER

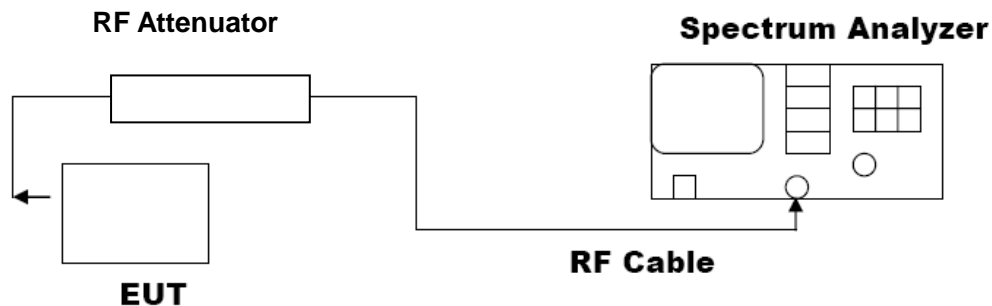
### 7.1. MEASUREMENT PROCEDURE

For peak power test:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2.  $RBW \geq DTS$  bandwidth
3.  $VBW \geq 3 * RBW$ .
4.  $SPAN \geq VBW$ .
5. Sweep: Auto.
6. Detector function: Peak.
7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

### 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) PEAK POWER TEST SETUP



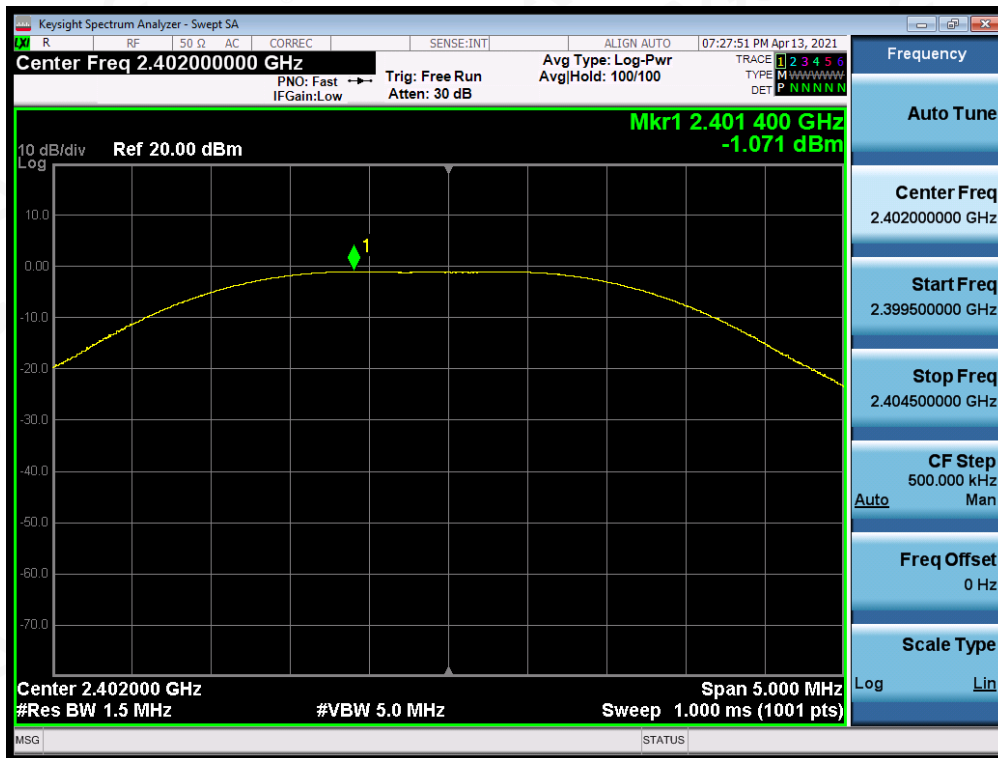
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### 7.3. LIMITS AND MEASUREMENT RESULT

#### ANTENNA 1

PEAK OUTPUT POWER MEASUREMENT RESULT FOR FSK MODULATION			
Frequency (MHz)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2402	-1.071	30	Pass
2440	-1.555	30	Pass
2478	-1.632	30	Pass

CH01



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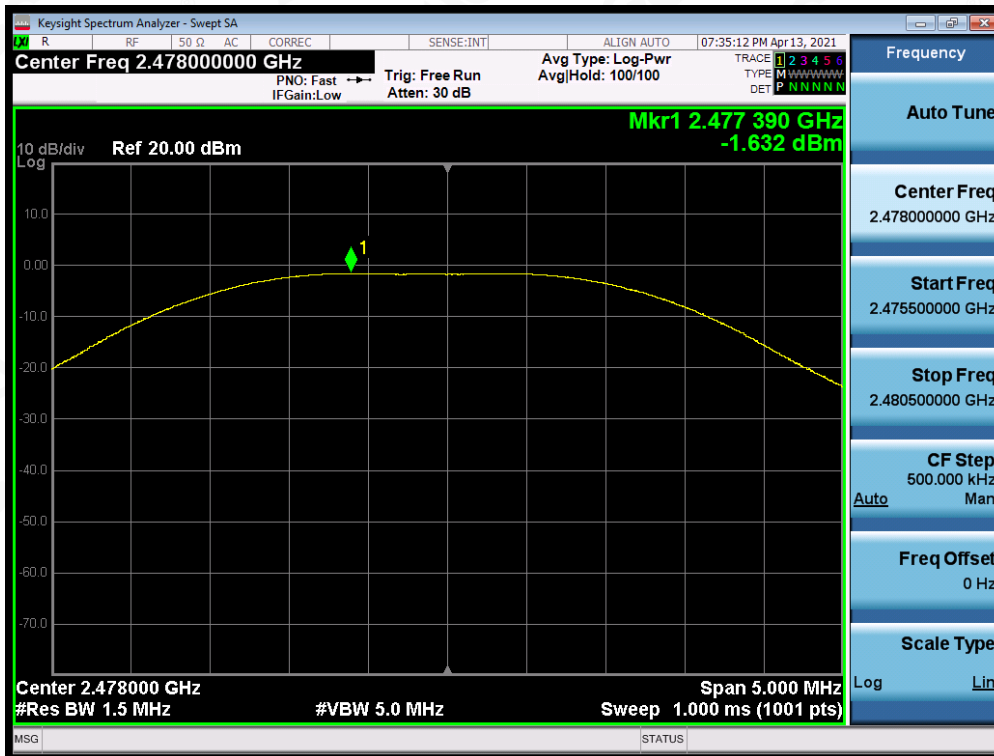
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CH39



CH77



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**ANTENNA 2**

PEAK OUTPUT POWER MEASUREMENT RESULT FOR FSK MODULATION			
Frequency (MHz)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2402	-0.361	30	Pass
2440	-0.941	30	Pass
2478	-1.023	30	Pass

CH01



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CH39



CH77



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## 8. 6 DB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 kHz, VBW $\geq$ 3 $\times$ RBW.
4. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

### 8.3. LIMITS AND MEASUREMENT RESULTS

#### ANTENNA 1

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	1.135	PASS
	Middle Channel	1.184	PASS
	High Channel	1.141	PASS

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



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### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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**ANTENNA 2**

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	Low Channel	1.192	PASS
	Middle Channel	1.190	PASS
	High Channel	1.187	PASS

**TEST PLOT OF BANDWIDTH FOR LOW CHANNEL**



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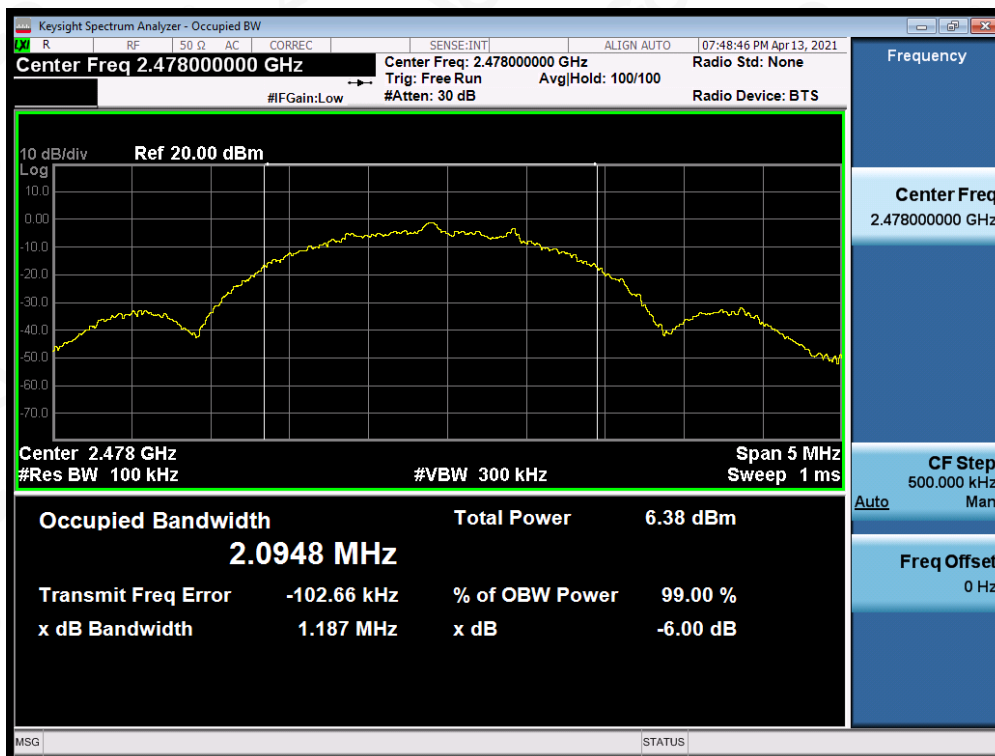
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### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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## 9. CONDUCTED SPURIOUS EMISSION

### 9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

### 9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

### 9.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test Data	Criteria
In any 100 kHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.	At least -20dBc than the reference level	PASS

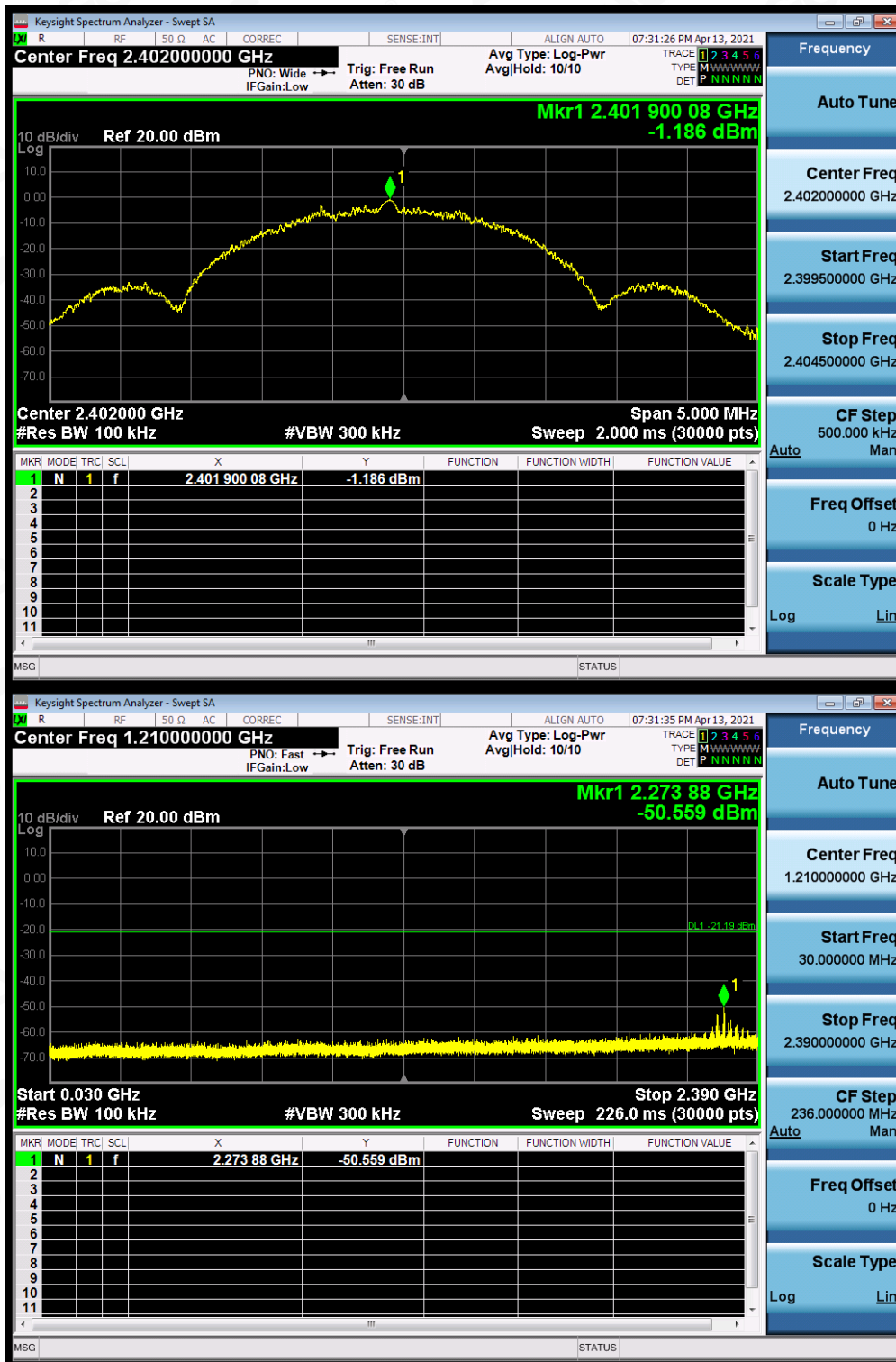
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TEST RESULT FOR ENTIRE FREQUENCY RANGE

ANTENNA 1

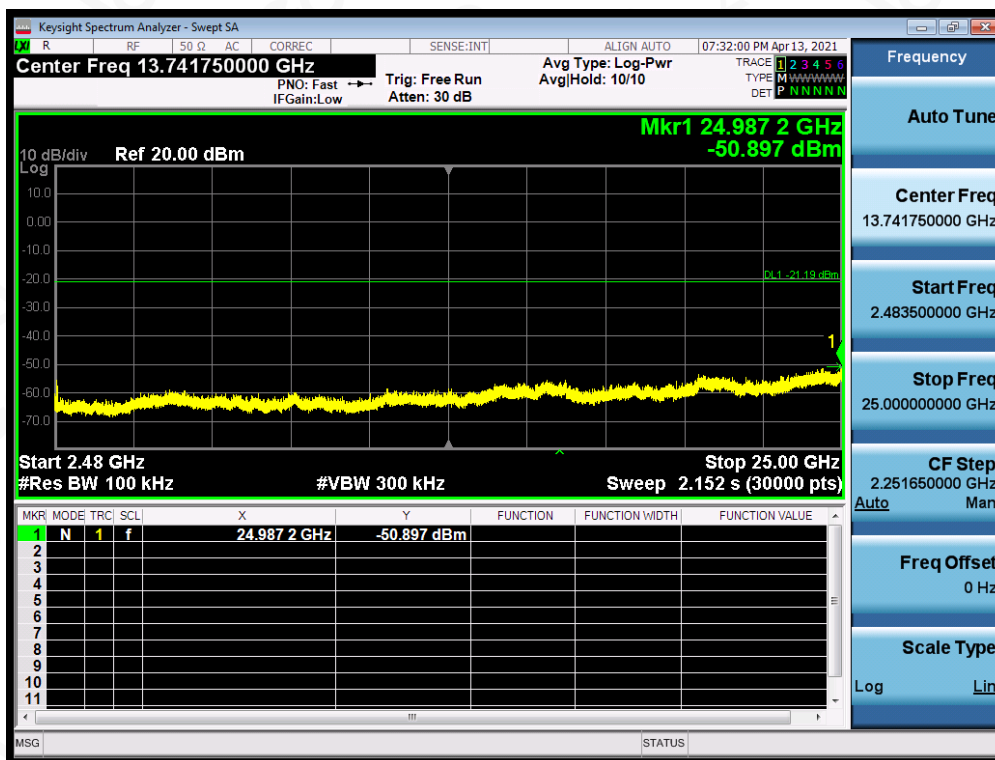
GFSK MODULATION IN LOW CHANNEL



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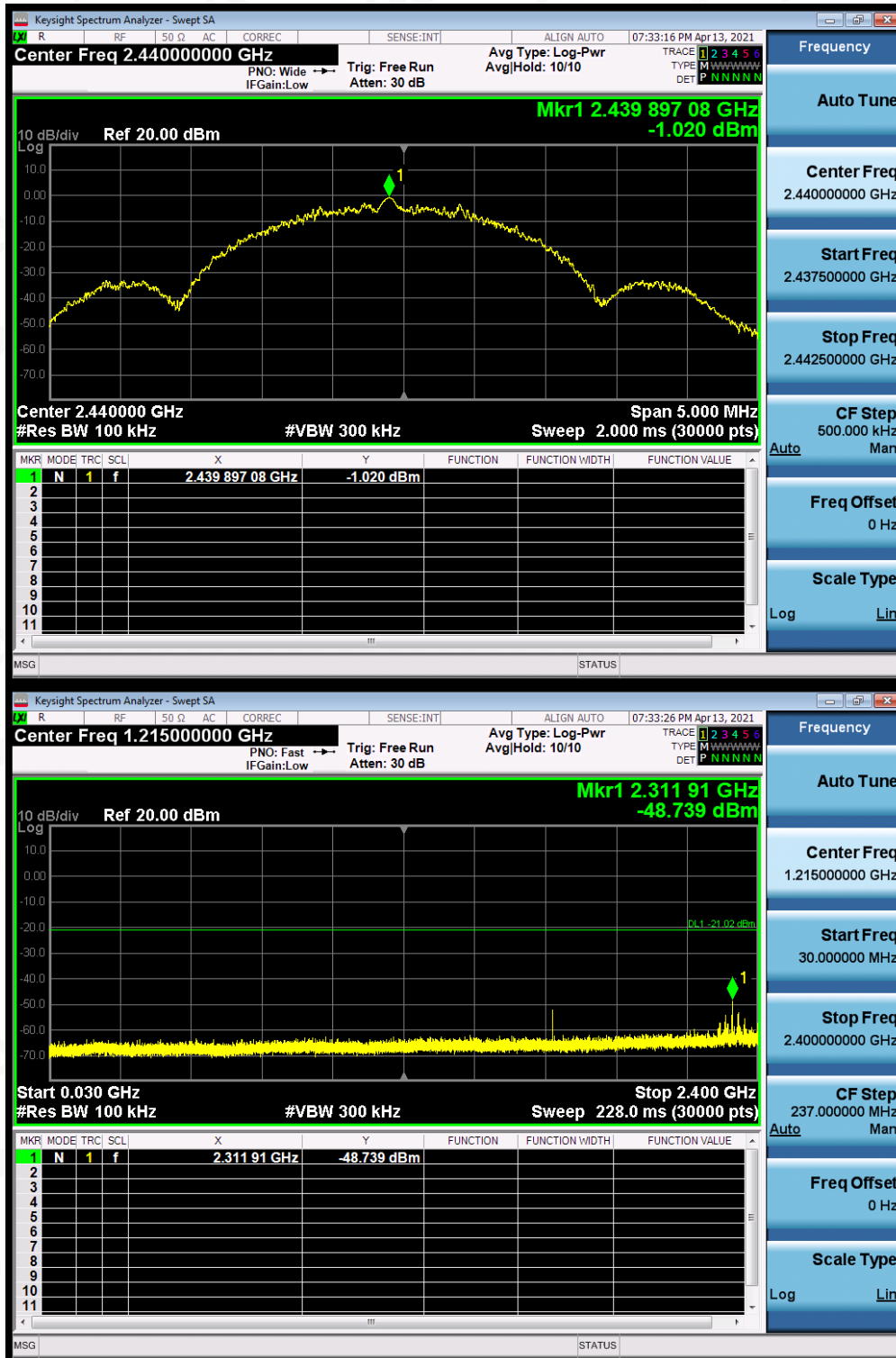
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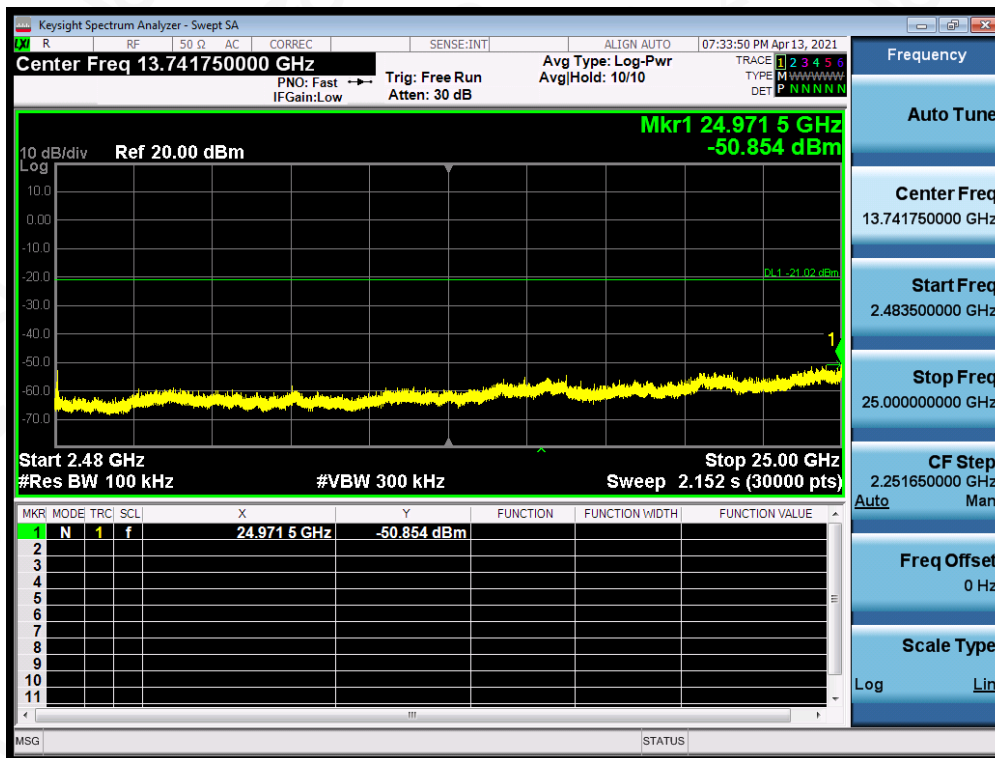
### GFSK MODULATION IN MIDDLE CHANNEL



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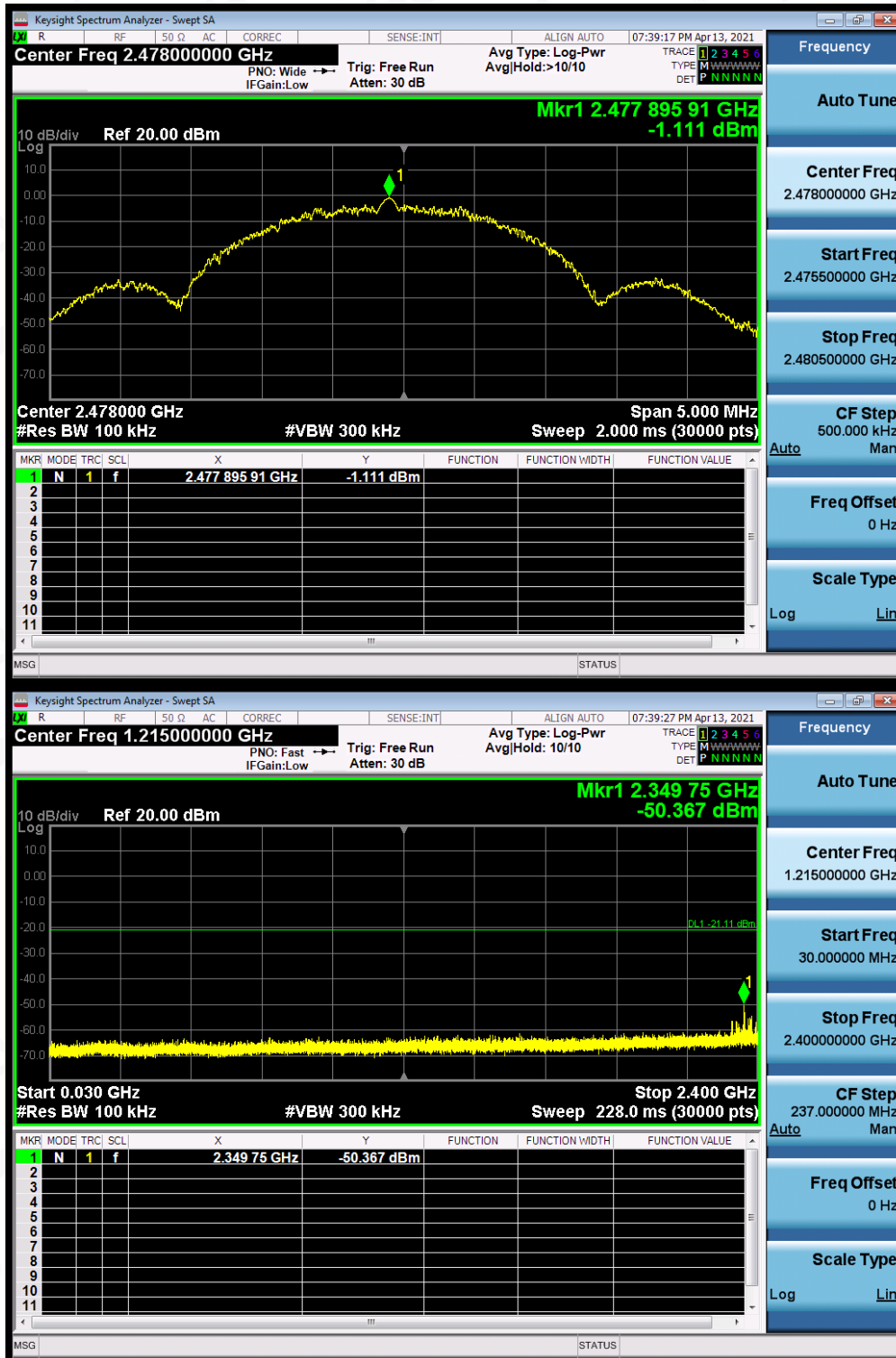


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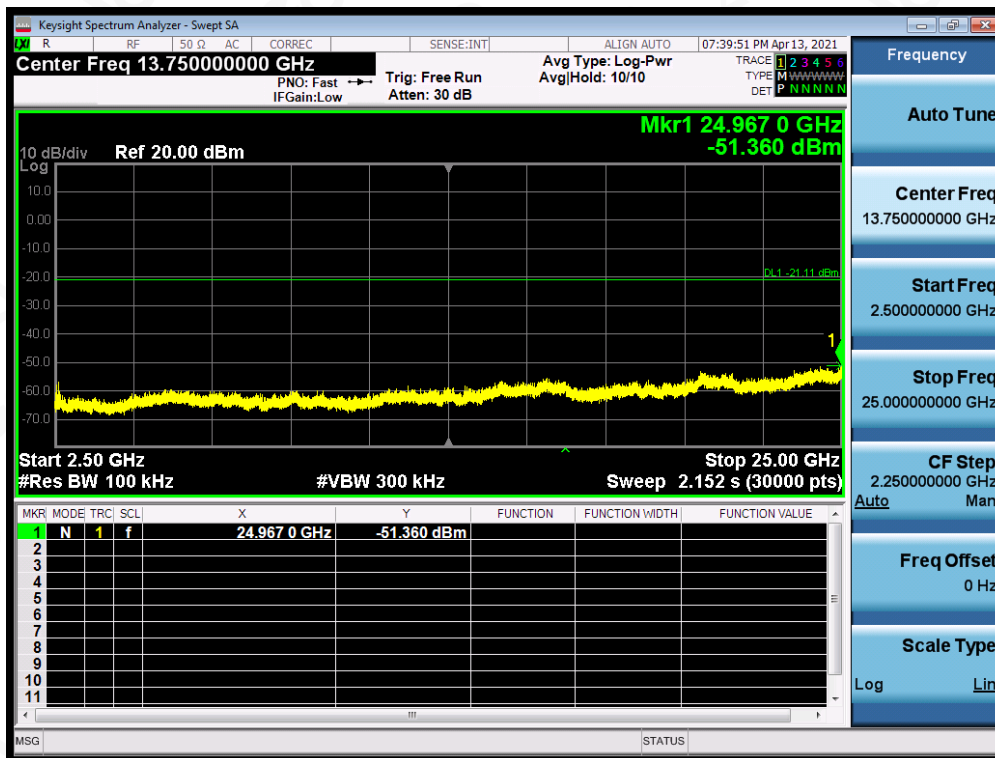
### GFSK MODULATION IN HIGH CHANNEL



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Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.

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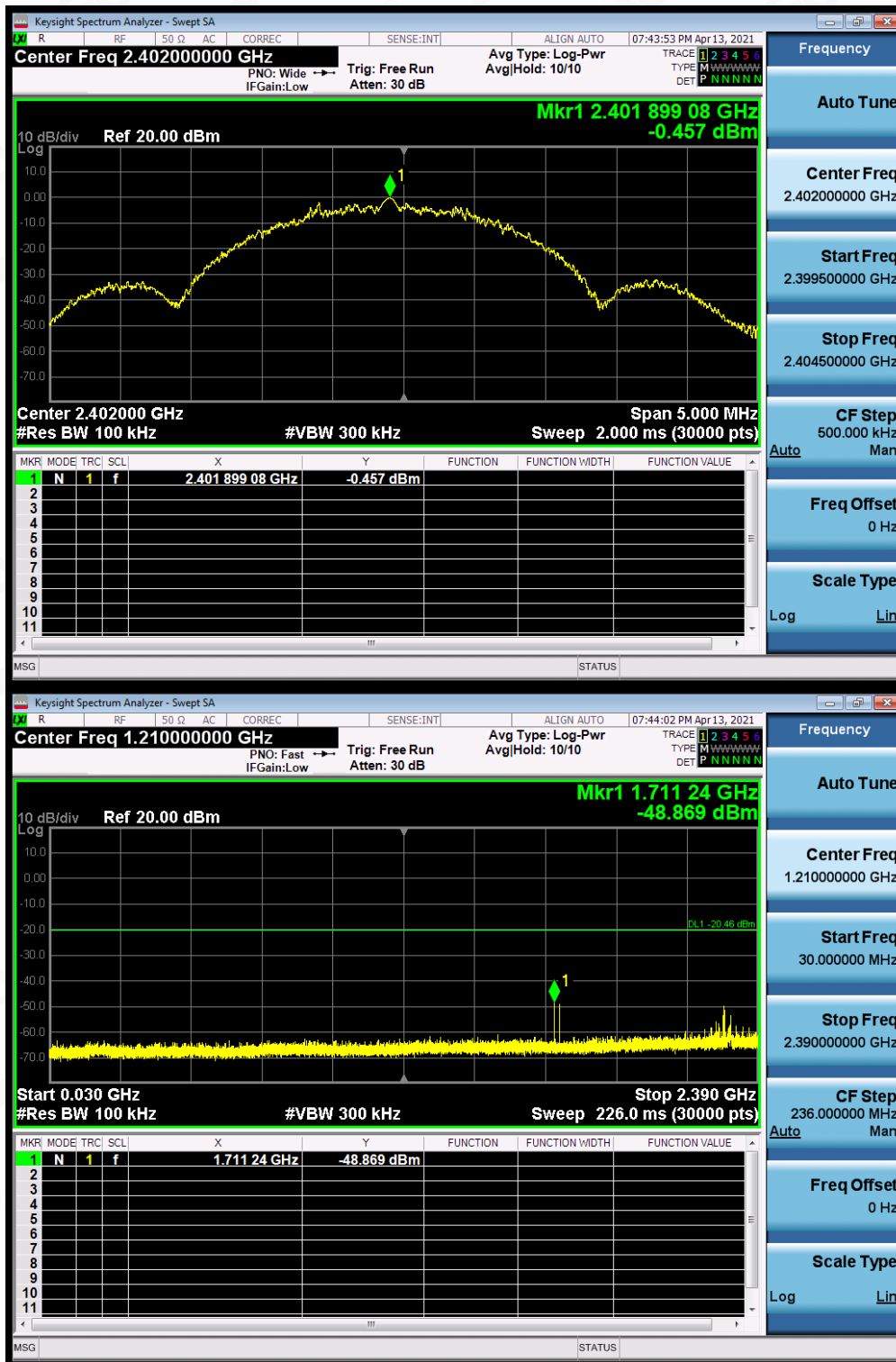
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TEST RESULT FOR ENTIRE FREQUENCY RANGE

ANTENNA 2

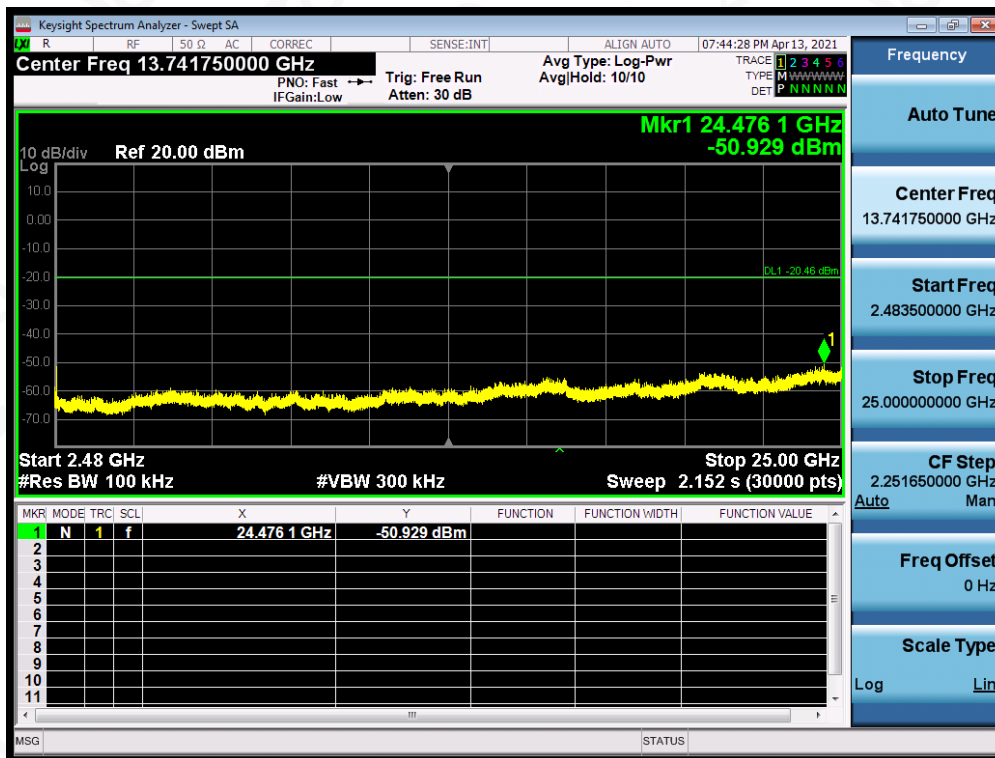
GFSK MODULATION IN LOW CHANNEL



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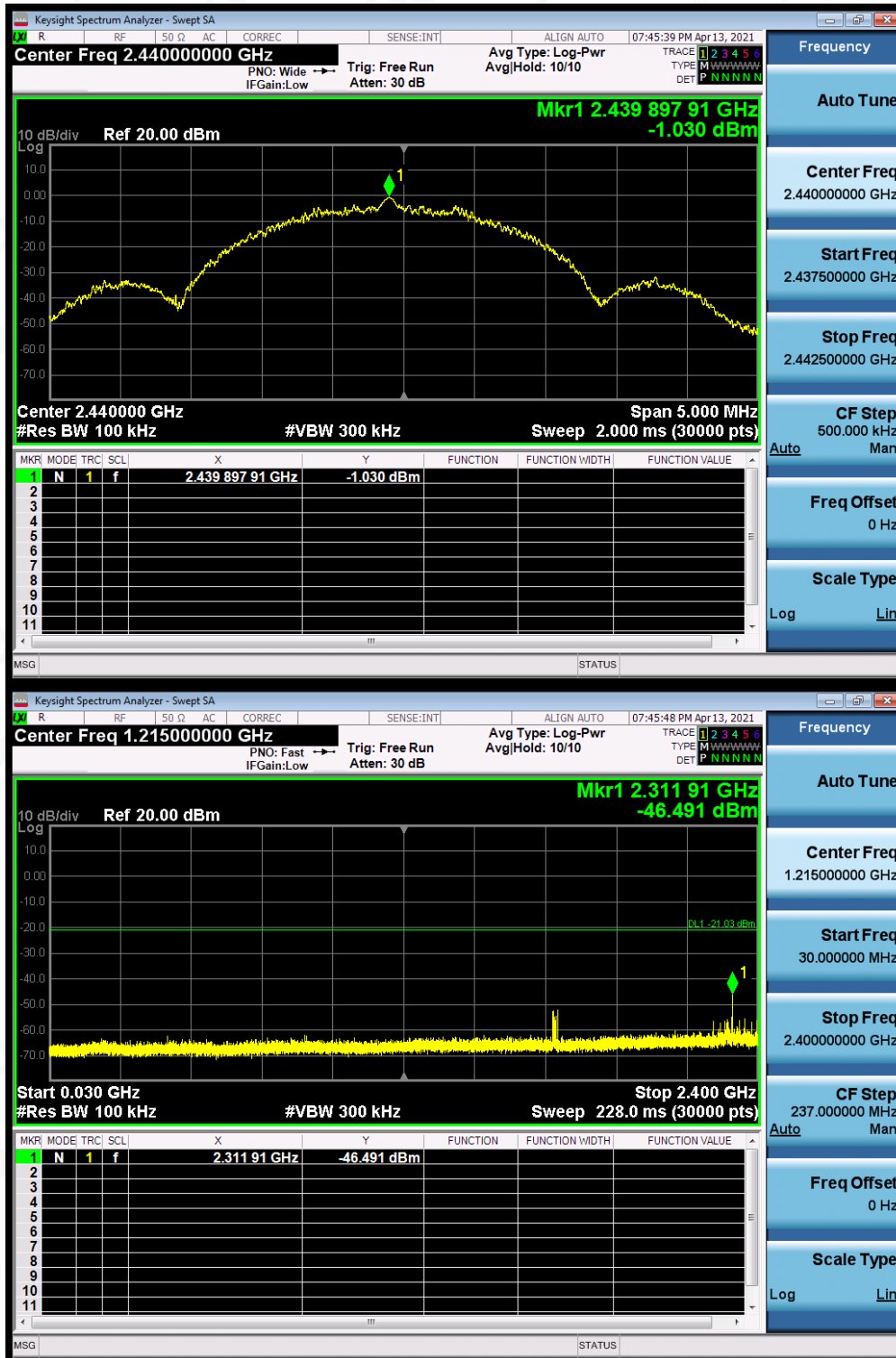


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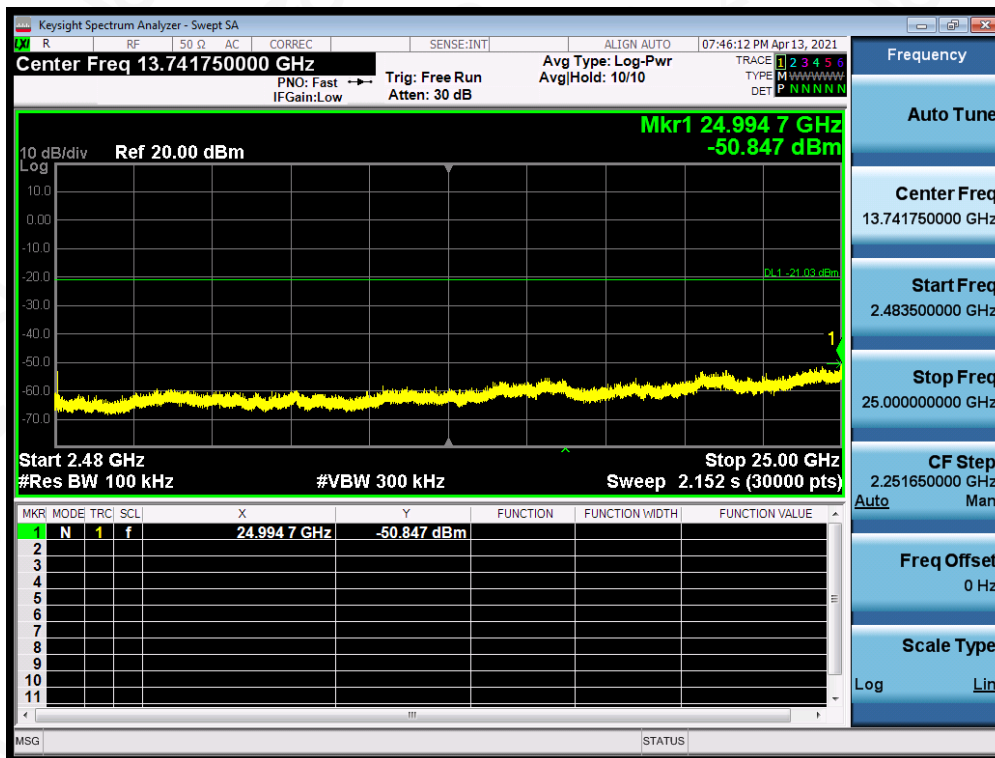
### GFSK MODULATION IN MIDDLE CHANNEL



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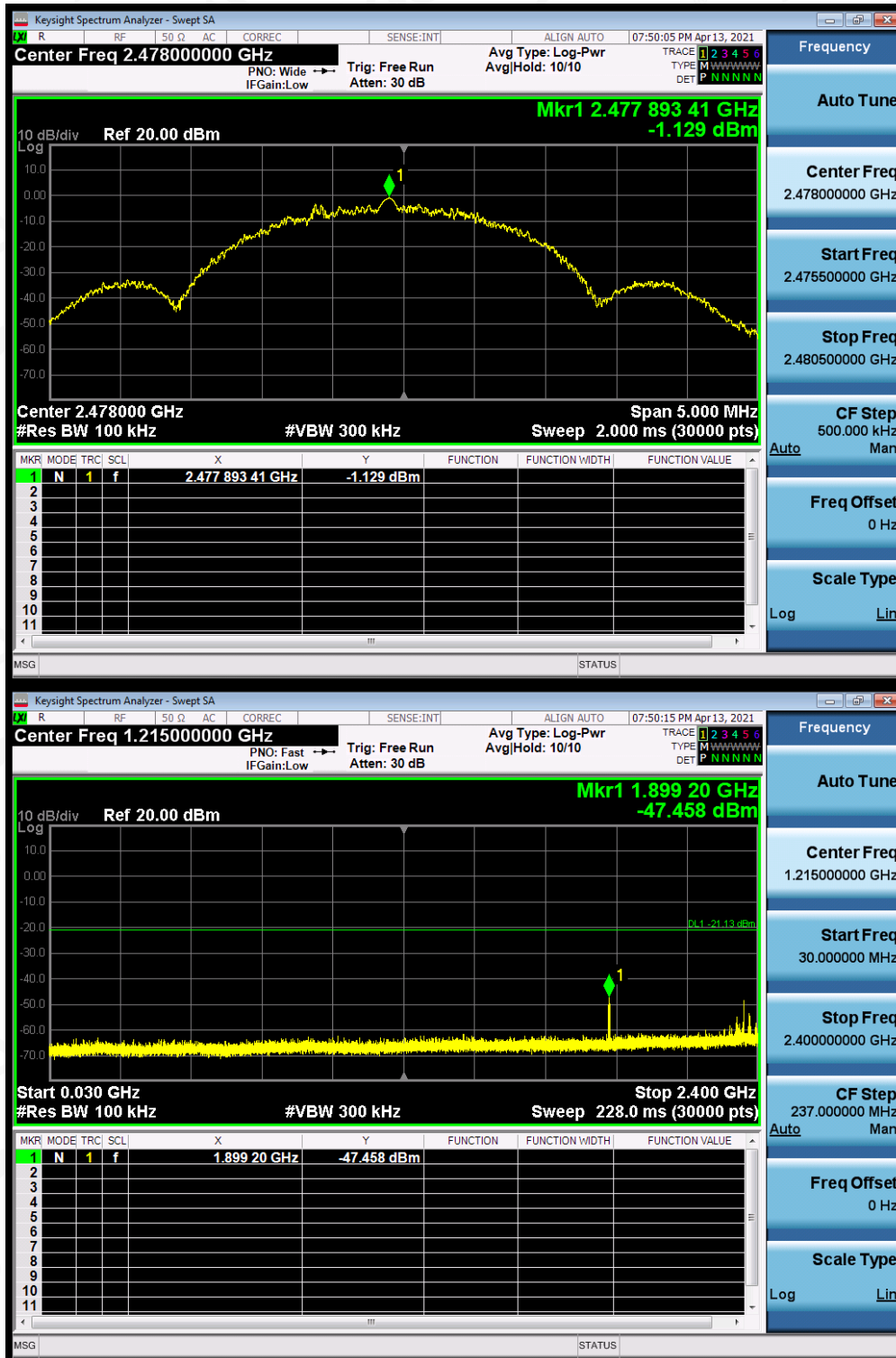
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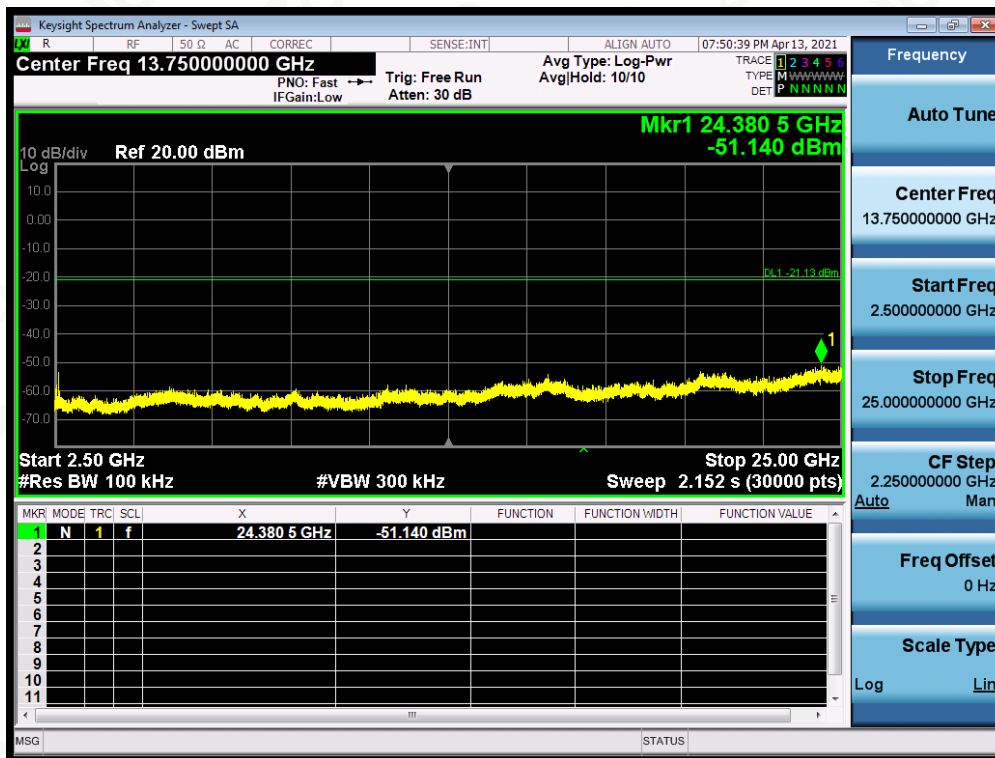
### GFSK MODULATION IN HIGH CHANNEL



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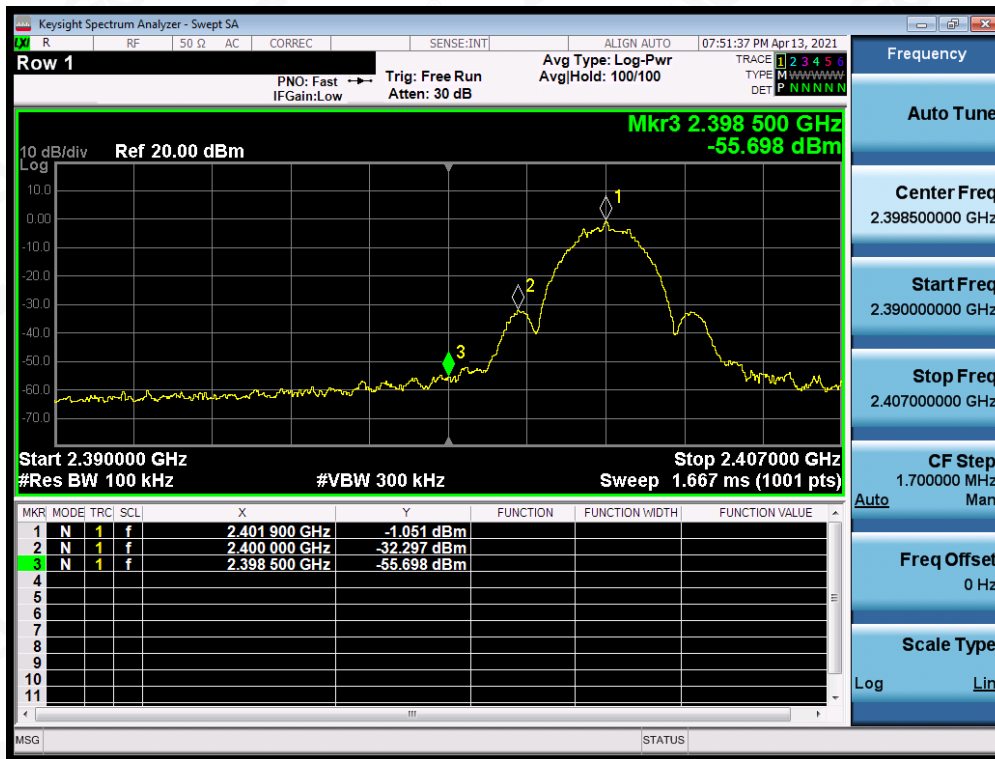
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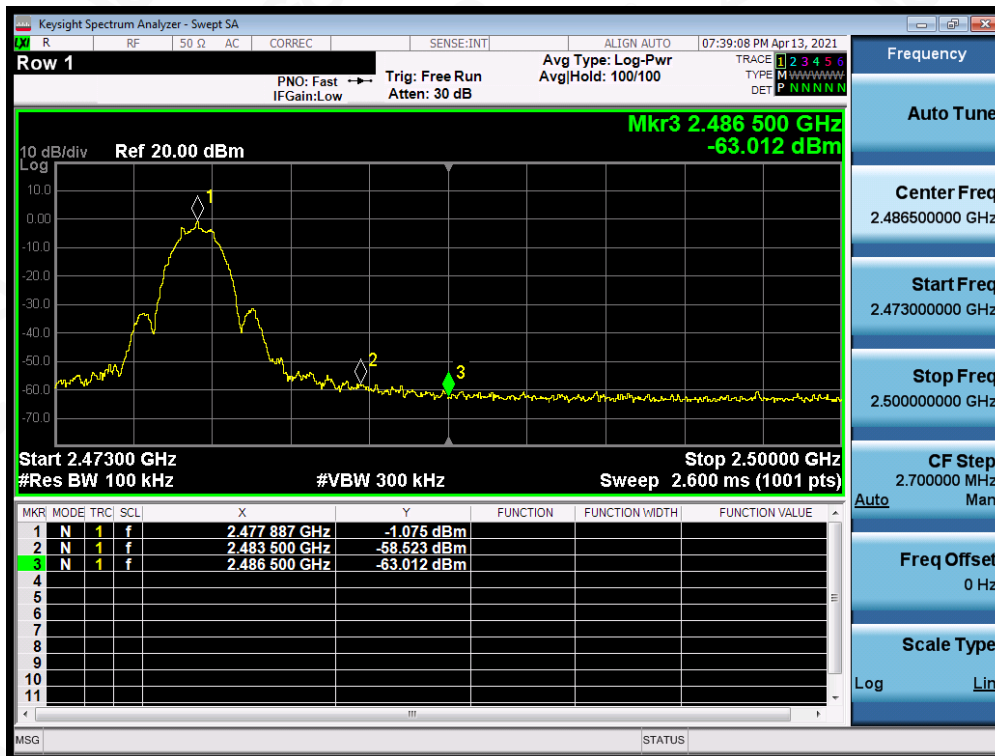
### TEST RESULT FOR BAND EDGE

ANTENNA 1

#### GFSK MODULATION IN LOW CHANNEL



#### GFSK MODULATION IN HIGH CHANNEL



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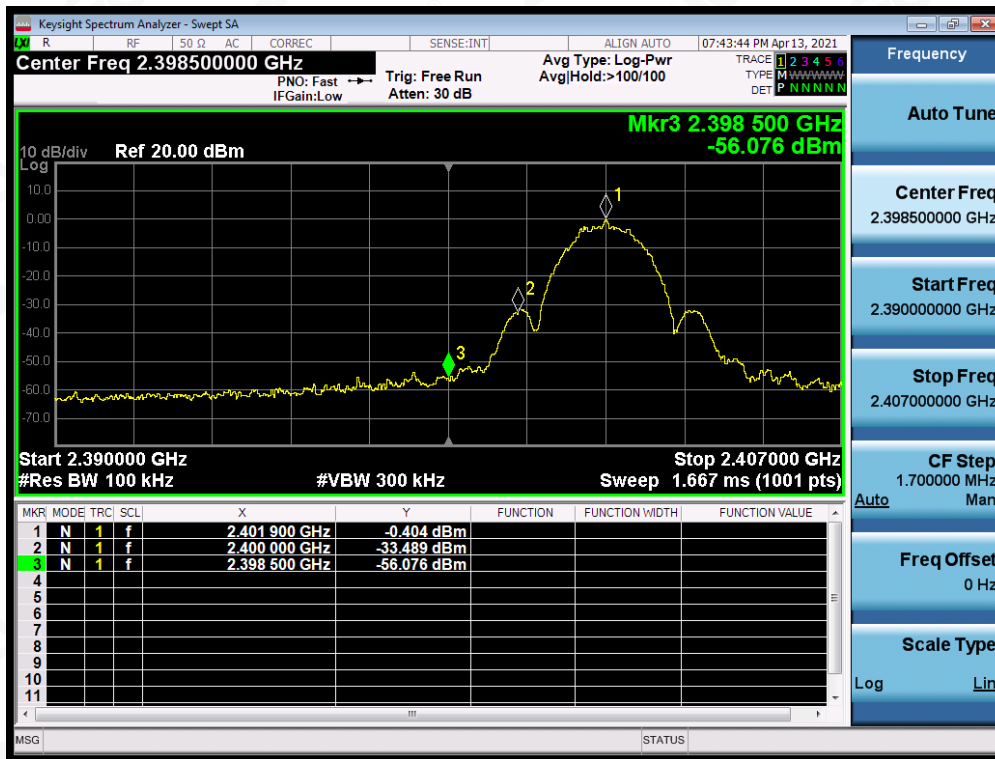
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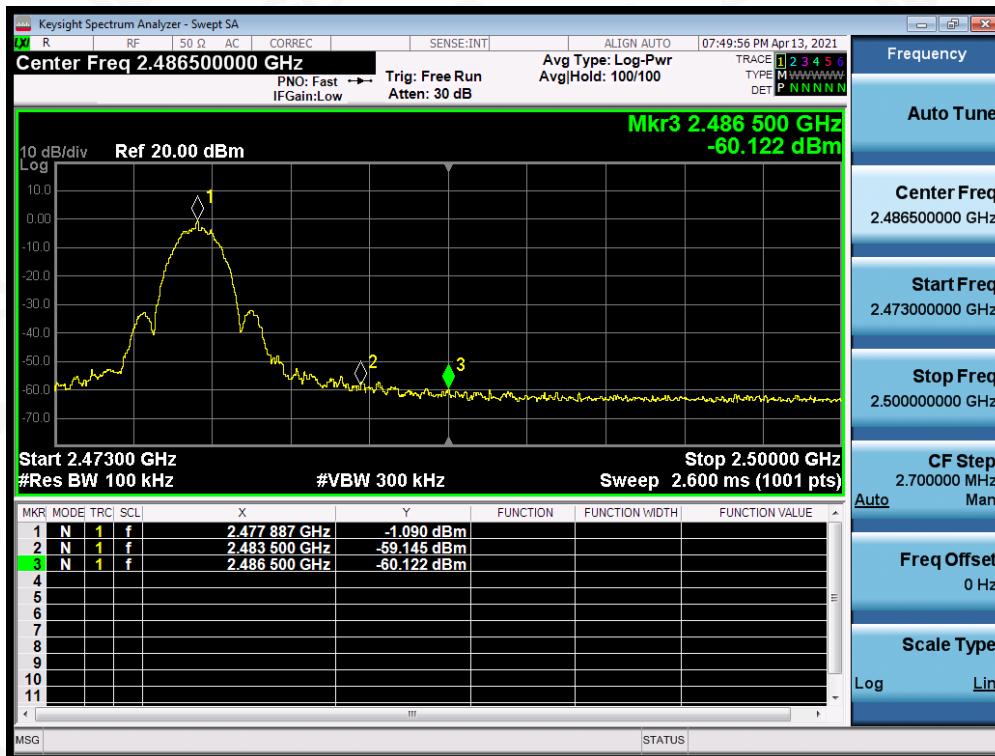
### TEST RESULT FOR BAND EDGE

ANTENNA 2

#### GFSK MODULATION IN LOW CHANNEL



#### GFSK MODULATION IN HIGH CHANNEL



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## 10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 10.1. MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set the SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

### 10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 7.2.

### 10.3. MEASUREMENT EQUIPMENT USED

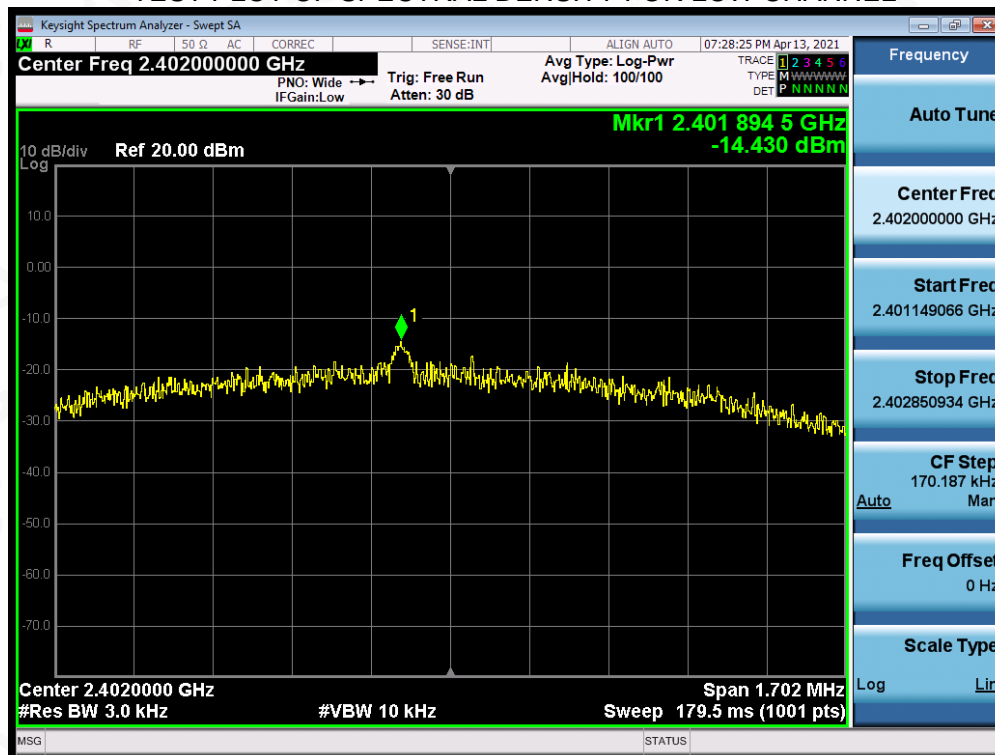
Refer to Section 6.

### 10.4. LIMITS AND MEASUREMENT RESULT

#### ANTENNA 1

Channel No.	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	-14.430	8	Pass
Middle Channel	-14.483	8	Pass
High Channel	-15.818	8	Pass

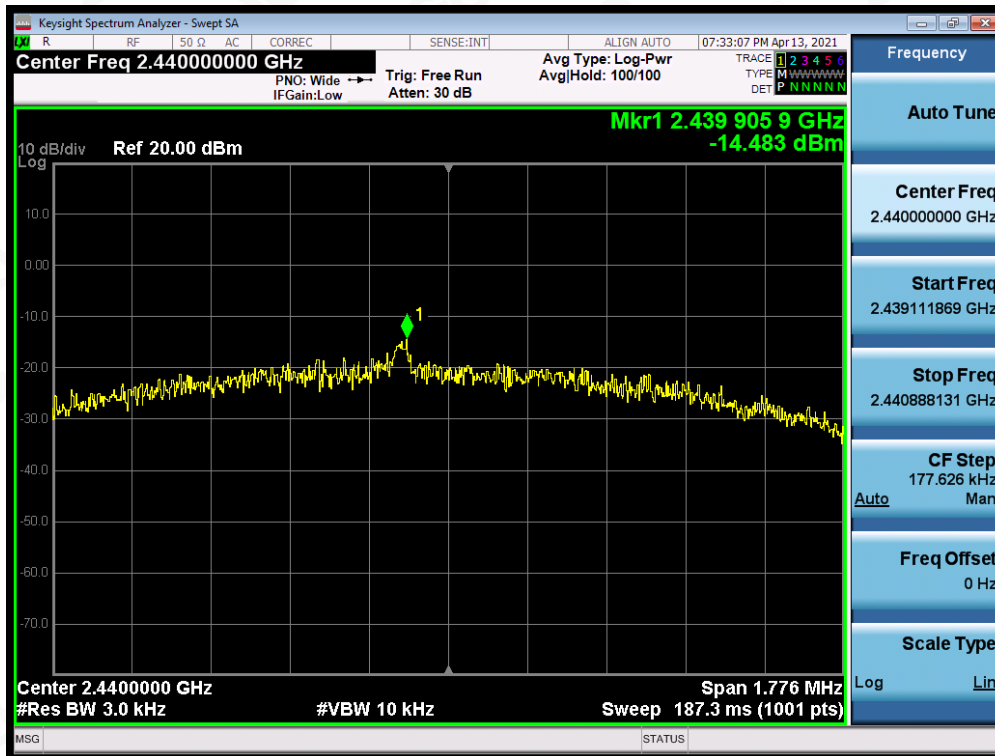
TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



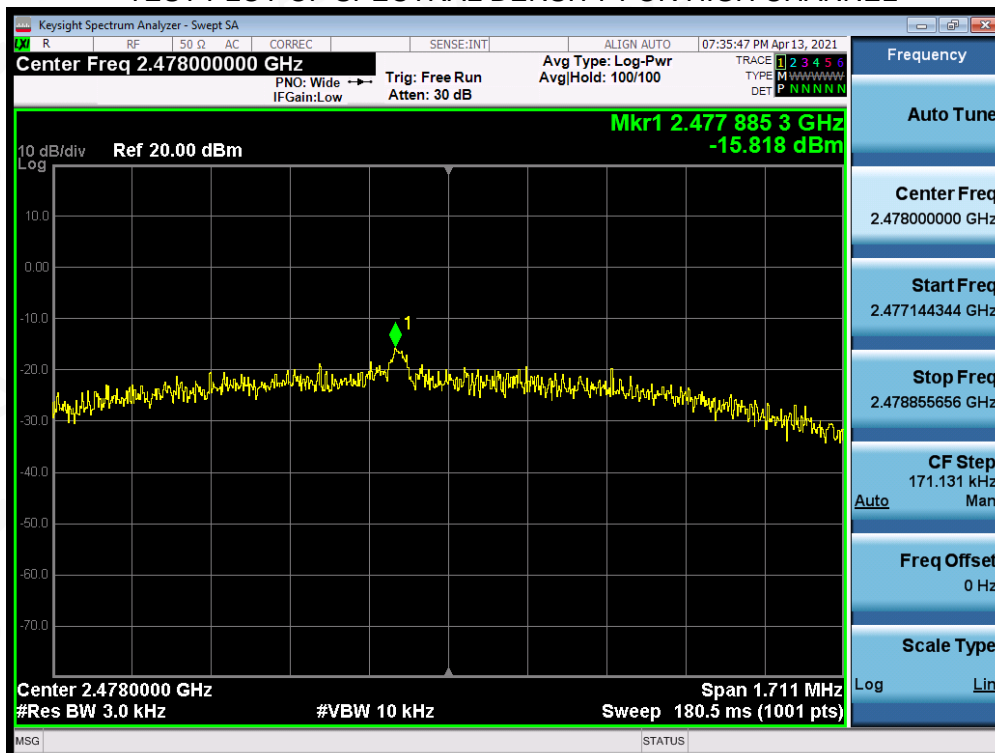
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TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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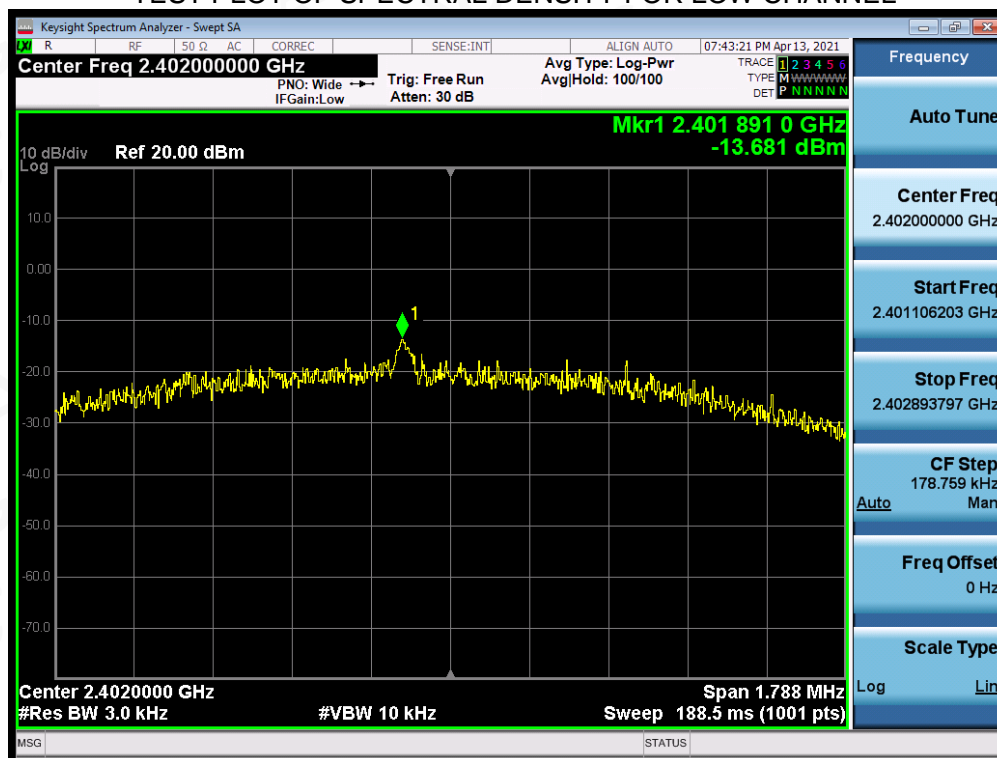
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**ANTENNA 2**

Channel No.	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
Low Channel	-13.681	8	Pass
Middle Channel	-14.497	8	Pass
High Channel	-15.016	8	Pass

**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL**

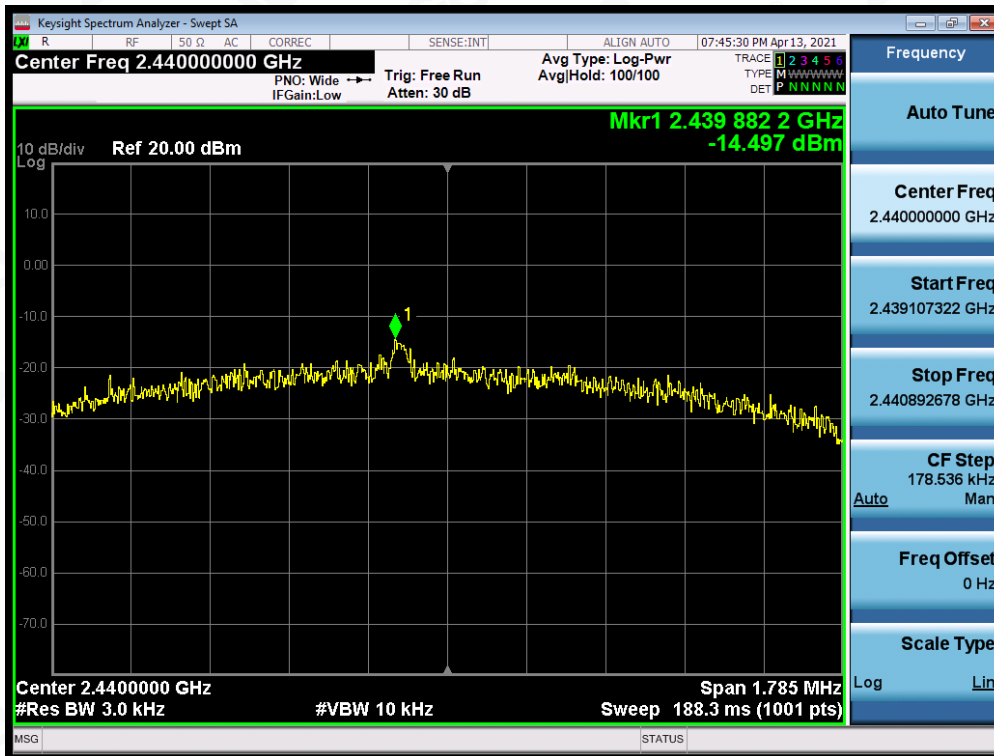


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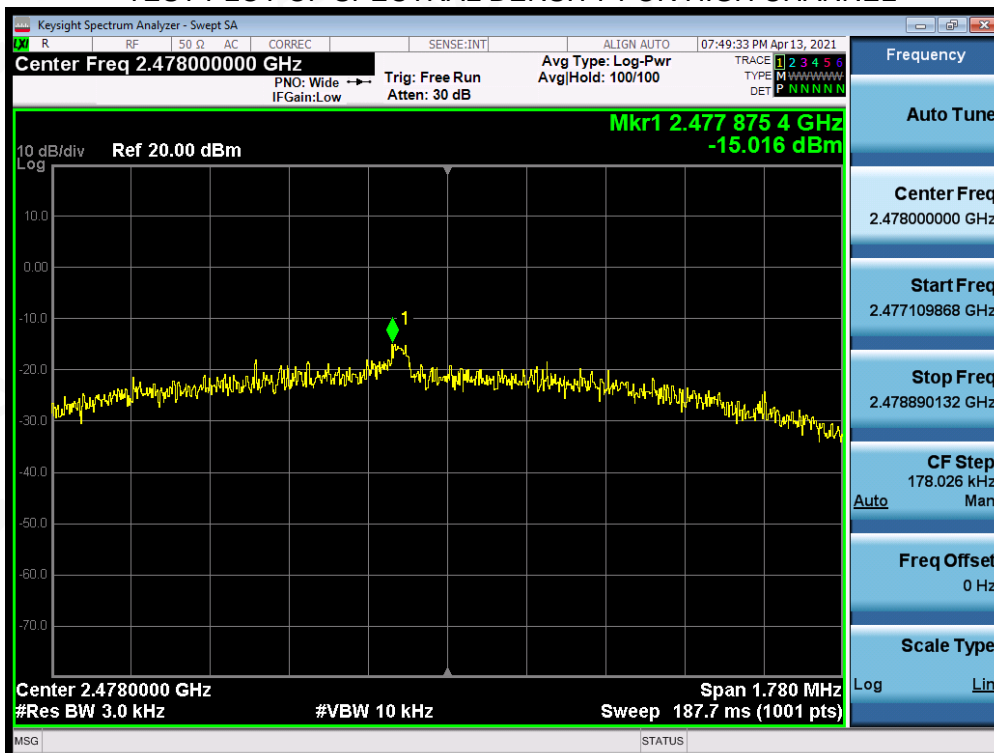
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TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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## 11. RADIATED EMISSION

### 11.1. MEASUREMENT PROCEDURE

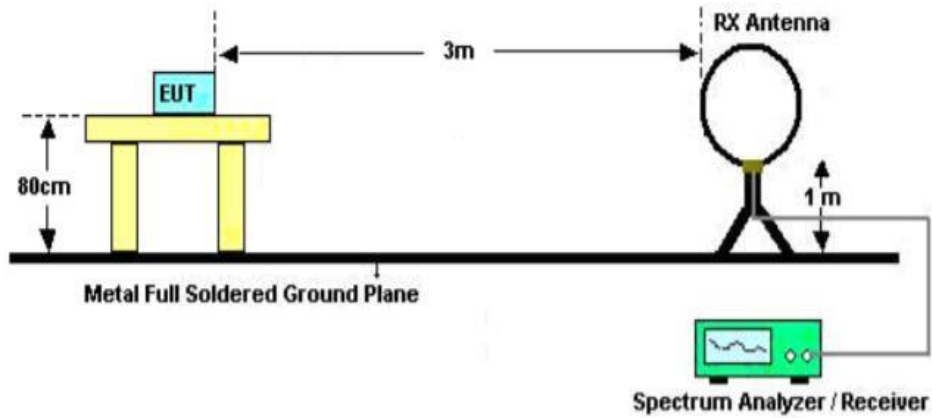
1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

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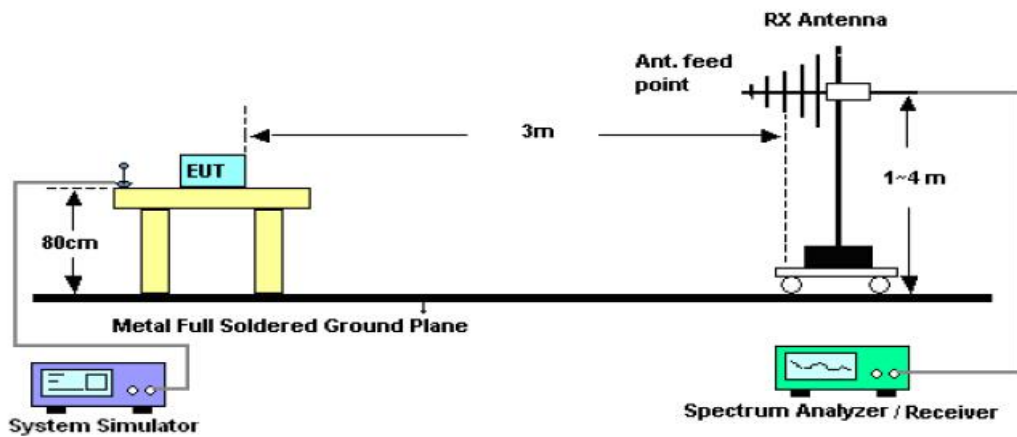


### 11.2. TEST SETUP

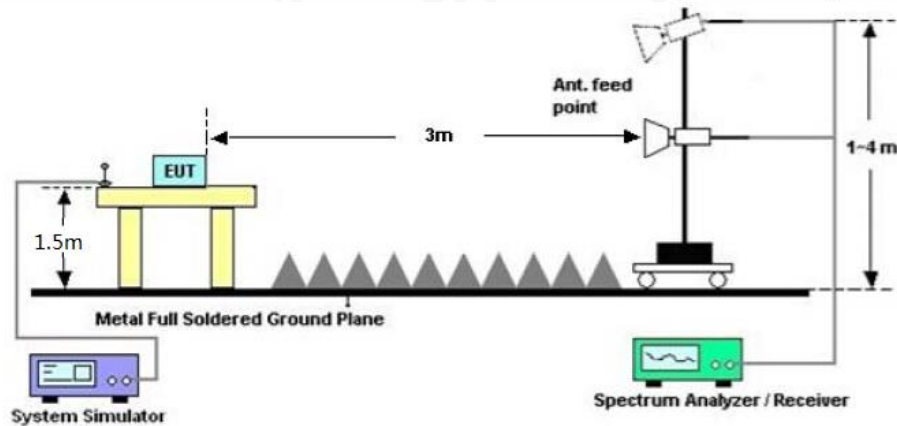
#### Radiated Emission Test-Setup Frequency Below 30MHz



#### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



#### RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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### 11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

### 11.4. TEST RESULT

#### RADIATED EMISSION BELOW 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

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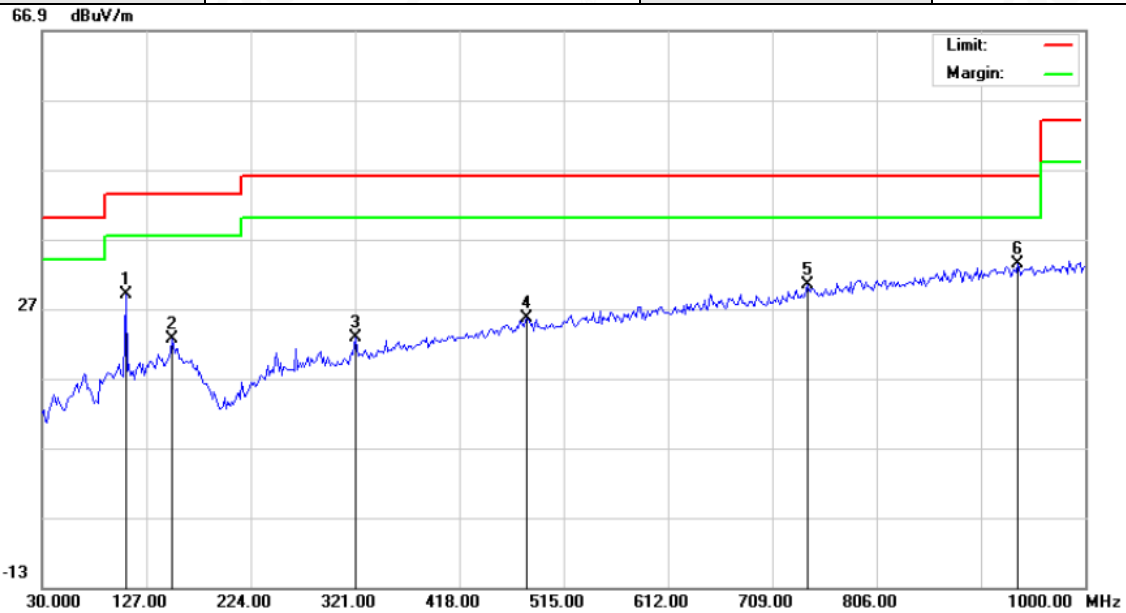
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### RADIATED EMISSION BELOW 1GHZ

#### Antenna 1

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		107.5999	12.29	16.75	29.04	43.50	-14.46	peak
2		151.2500	3.39	19.21	22.60	43.50	-20.90	peak
3		321.0000	2.61	20.21	22.82	46.00	-23.18	peak
4		481.0500	0.99	24.61	25.60	46.00	-20.40	peak
5		741.3333	1.27	29.08	30.35	46.00	-15.65	peak
6	*	936.9500	1.36	32.02	33.38	46.00	-12.62	peak

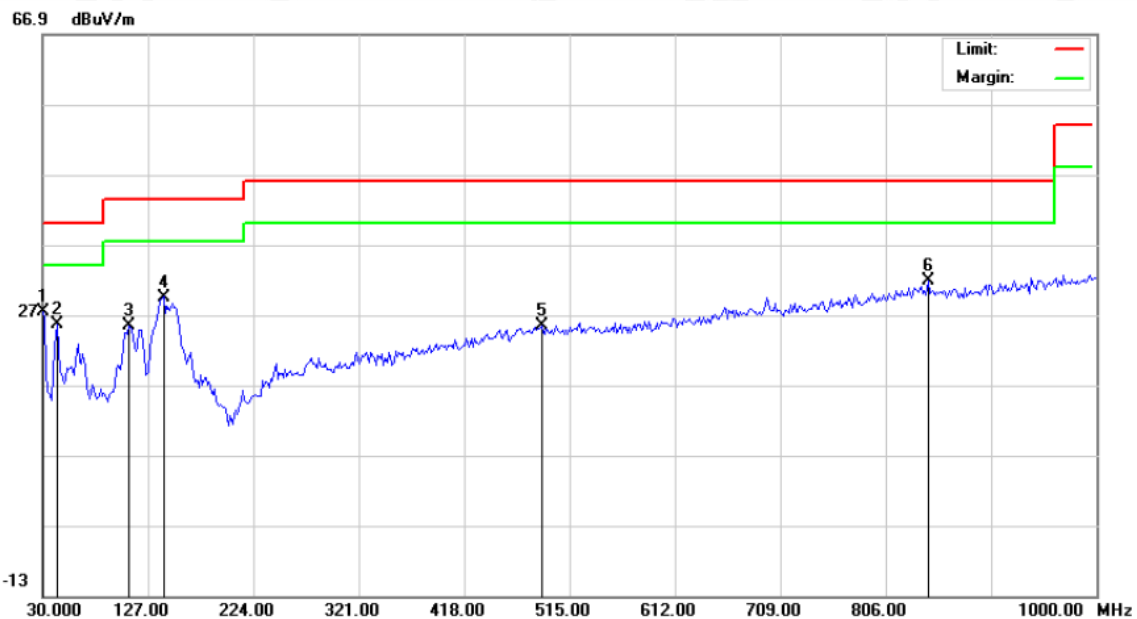
**RESULT: PASS**

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EUT	Wireless Headset	Model Name	RDA0032
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	30.0000	15.23	12.17	27.40	40.00	-12.60	peak
2		42.9333	10.98	14.69	25.67	40.00	-14.33	peak
3		109.2167	8.48	16.91	25.39	43.50	-18.11	peak
4		141.5500	10.27	19.23	29.50	43.50	-14.00	peak
5		489.1333	0.60	24.77	25.37	46.00	-20.63	peak
6		844.7999	0.78	30.99	31.77	46.00	-14.23	peak

**RESULT: PASS**

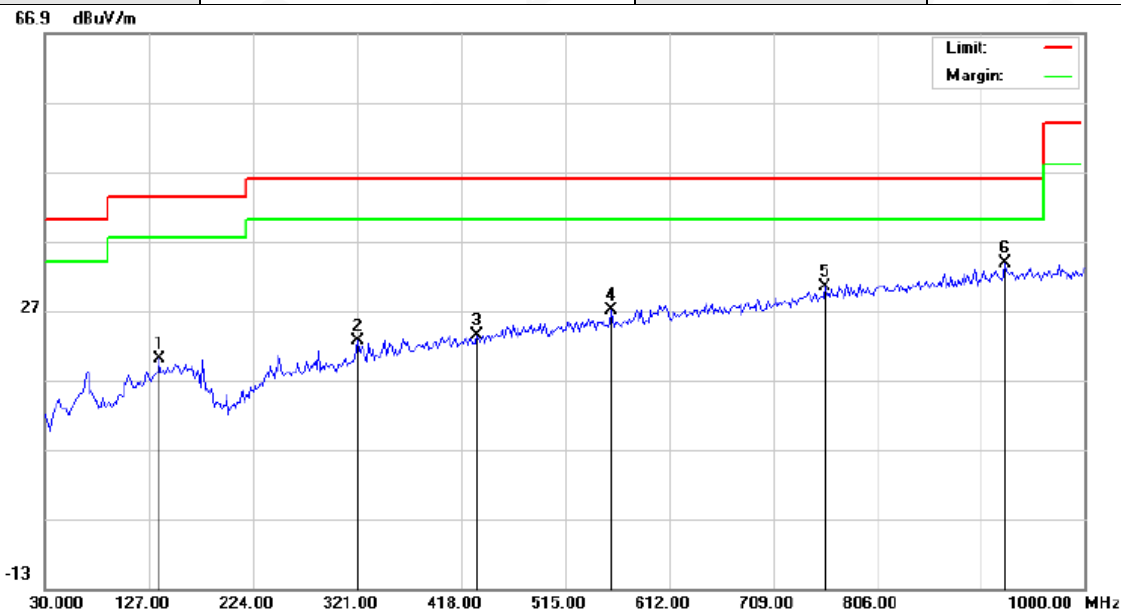
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**Antenna 2**

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		136.7000	1.06	19.02	20.08	43.50	-23.42	peak
2		321.0000	2.38	20.21	22.59	46.00	-23.41	peak
3		432.5500	-0.15	23.63	23.48	46.00	-22.52	peak
4		558.6500	0.86	26.14	27.00	46.00	-19.00	peak
5		757.5000	0.99	29.45	30.44	46.00	-15.56	peak
6	*	925.6333	1.90	31.92	33.82	46.00	-12.18	peak

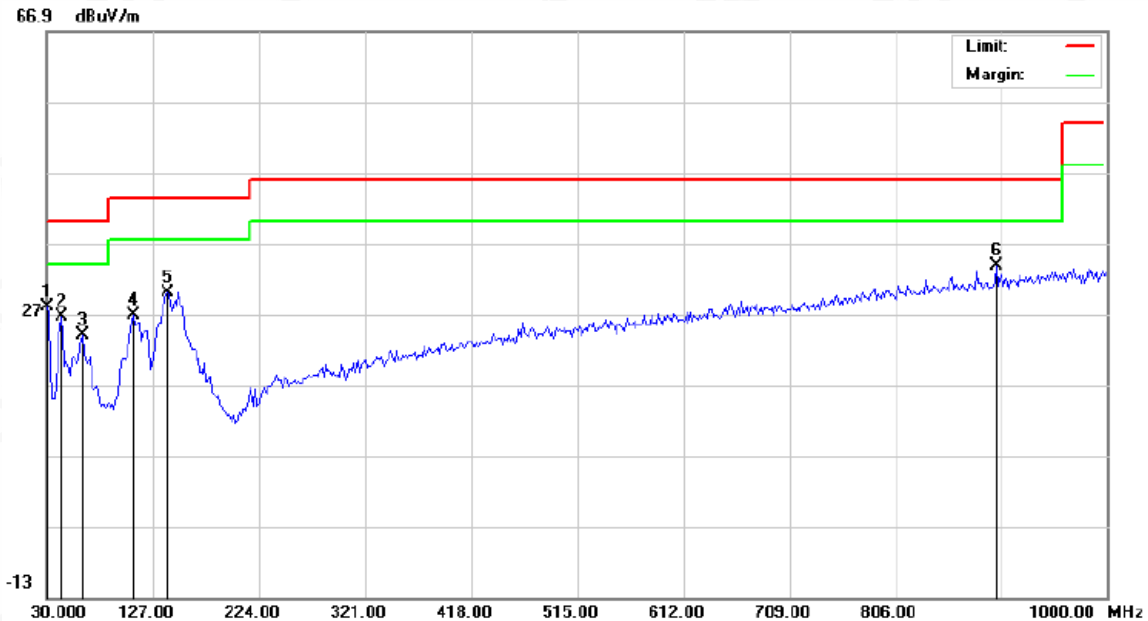
**RESULT: PASS**

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EUT	Wireless Headset	Model Name	RDA0032
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	30.0000	15.84	12.17	28.01	40.00	-11.99	peak
2		42.9333	11.83	14.69	26.52	40.00	-13.48	peak
3		62.3333	7.75	16.16	23.91	40.00	-16.09	peak
4		109.2167	9.95	16.91	26.86	43.50	-16.64	peak
5		139.9333	10.76	19.23	29.99	43.50	-13.51	peak
6		898.1500	2.17	31.68	33.85	46.00	-12.15	peak

**RESULT: PASS**

**Note:**

1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
2. All test modes had been tested. The mode 1 is the worst case and recorded in the report.

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**RADIATED EMISSION ABOVE 1GHZ**

**Antenna 1**

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	55.34	0.08	55.42	74	-18.58	peak
4804.000	47.12	0.08	47.2	54	-6.8	AVG
7206.000	50.27	2.21	52.48	74	-21.52	peak
7206.000	40.59	2.21	42.8	54	-11.2	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	55.18	0.08	55.26	74	-18.74	peak
4804.000	46.92	0.08	47	54	-7	AVG
7206.000	50.49	2.21	52.7	74	-21.3	peak
7206.000	41.03	2.21	43.24	54	-10.76	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.000	56.45	0.14	56.59	74	-17.41	peak
4880.000	46.29	0.14	46.43	54	-7.57	AVG
7320.000	51.37	2.36	53.73	74	-20.27	peak
7320.000	41.26	2.36	43.62	54	-10.38	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.000	55.97	0.14	56.11	74	-17.89	peak
4880.000	46.29	0.14	46.43	54	-7.57	AVG
7320.000	51.49	2.36	53.85	74	-20.15	peak
7320.000	41.37	2.36	43.73	54	-10.27	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.000	56.19	0.22	56.41	74	-17.59	peak
4956.000	45.37	0.22	45.59	54	-8.41	AVG
7434.000	51.38	2.64	54.02	74	-19.98	peak
7434.000	40.87	2.64	43.51	54	-10.49	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.000	56.81	0.22	57.03	74	-16.97	peak
4956.000	45.07	0.22	45.29	54	-8.71	AVG
7434.000	51.37	2.64	54.01	74	-19.99	peak
7434.000	41.35	2.64	43.99	54	-10.01	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

**RESULT: PASS**

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**Antenna 2**

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	55.19	0.08	55.27	74	-18.73	peak
4804.000	46.28	0.08	46.36	54	-7.64	AVG
7206.000	51.27	2.21	53.48	74	-20.52	peak
7206.000	40.39	2.21	42.6	54	-11.4	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	55.34	0.08	55.42	74	-18.58	peak
4804.000	46.98	0.08	47.06	54	-6.94	AVG
7206.000	50.53	2.21	52.74	74	-21.26	peak
7206.000	40.32	2.21	42.53	54	-11.47	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.000	56.19	0.14	56.33	74	-17.67	peak
4880.000	46.35	0.14	46.49	54	-7.51	AVG
7320.000	51.28	2.36	53.64	74	-20.36	peak
7320.000	41.57	2.36	43.93	54	-10.07	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.000	55.13	0.14	55.27	74	-18.73	peak
4880.000	46.28	0.14	46.42	54	-7.58	AVG
7320.000	51.54	2.36	53.9	74	-20.1	peak
7320.000	40.29	2.36	42.65	54	-11.35	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.000	56.13	0.22	56.35	74	-17.65	peak
4956.000	45.28	0.22	45.5	54	-8.5	AVG
7434.000	51.37	2.64	54.01	74	-19.99	peak
7434.000	41.52	2.64	44.16	54	-9.84	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.000	56.19	0.22	56.41	74	-17.59	peak
4956.000	45.37	0.22	45.59	54	-8.41	AVG
7434.000	51.24	2.64	53.88	74	-20.12	peak
7434.000	40.57	2.64	43.21	54	-10.79	AVG

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

**RESULT: PASS**

**Note:**

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

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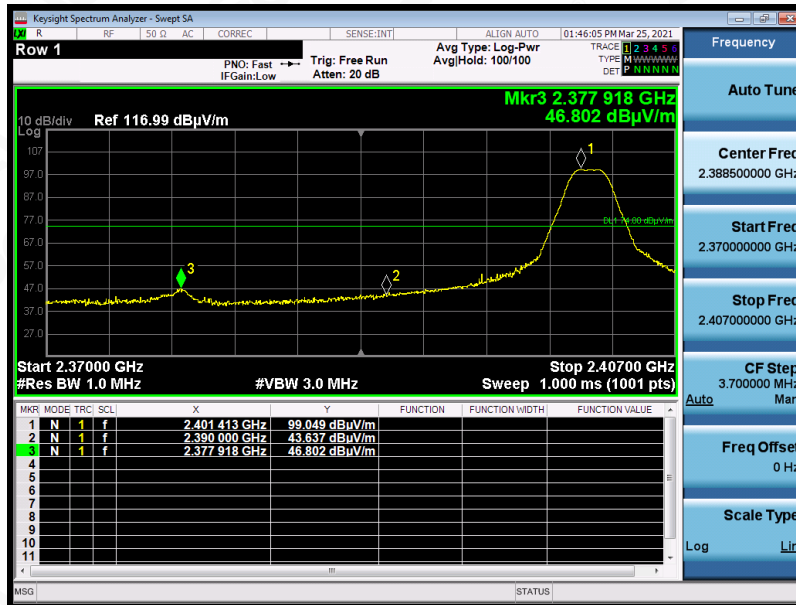


**TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS**

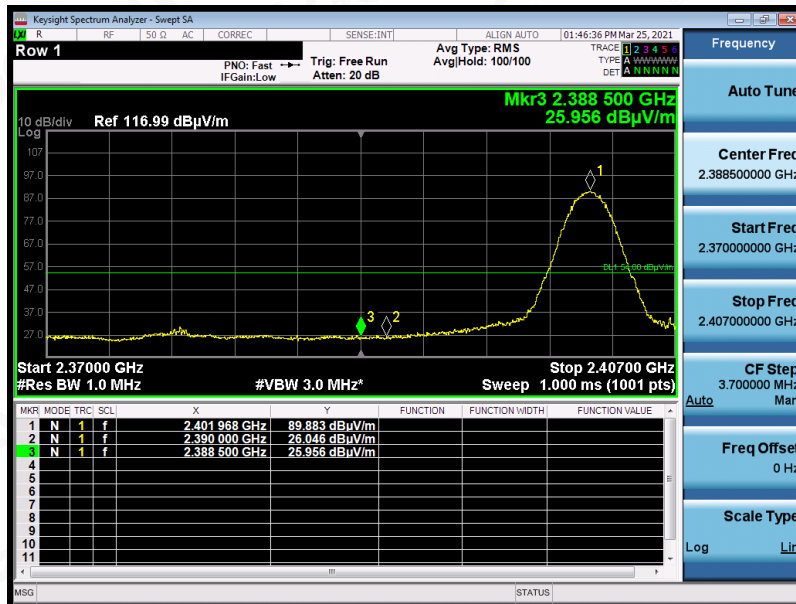
**ANTENNA 1**

<b>EUT</b>	Wireless Headset	<b>Model Name</b>	RDA0032
<b>Temperature</b>	21.8° C	<b>Relative Humidity</b>	58%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

PK



AV



**RESULT: PASS**

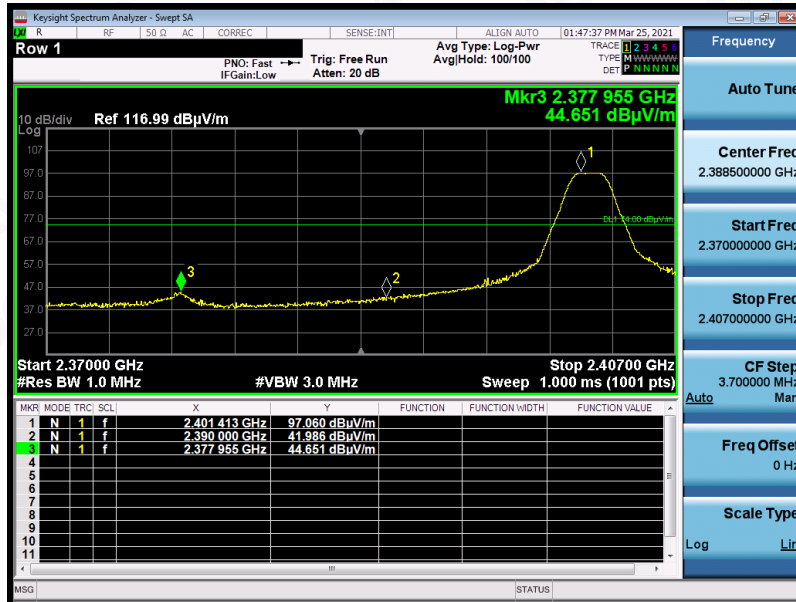
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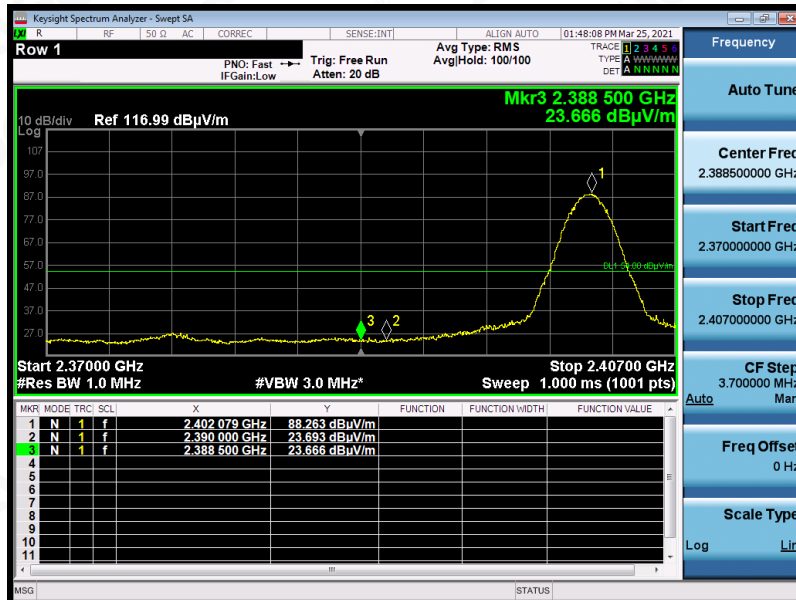


EUT	Wireless Headset	Model Name	RDA0032
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

PK



AV



RESULT: PASS

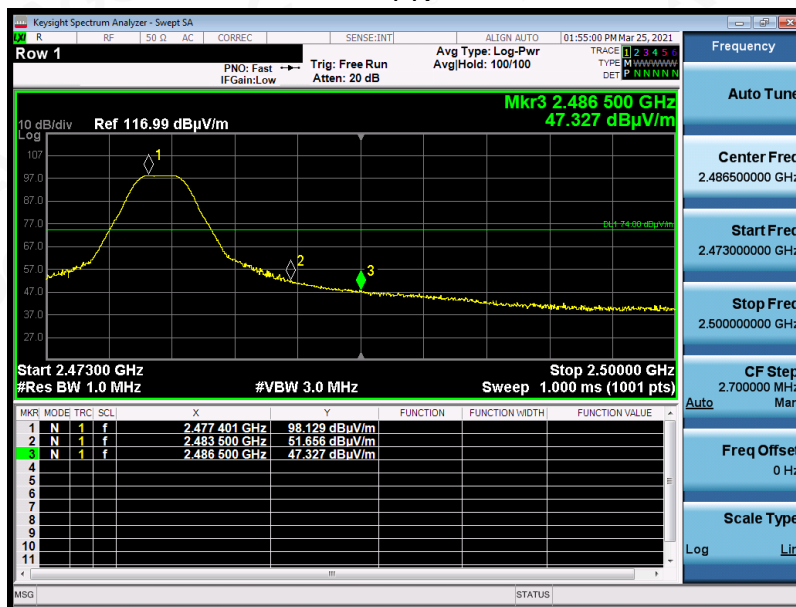
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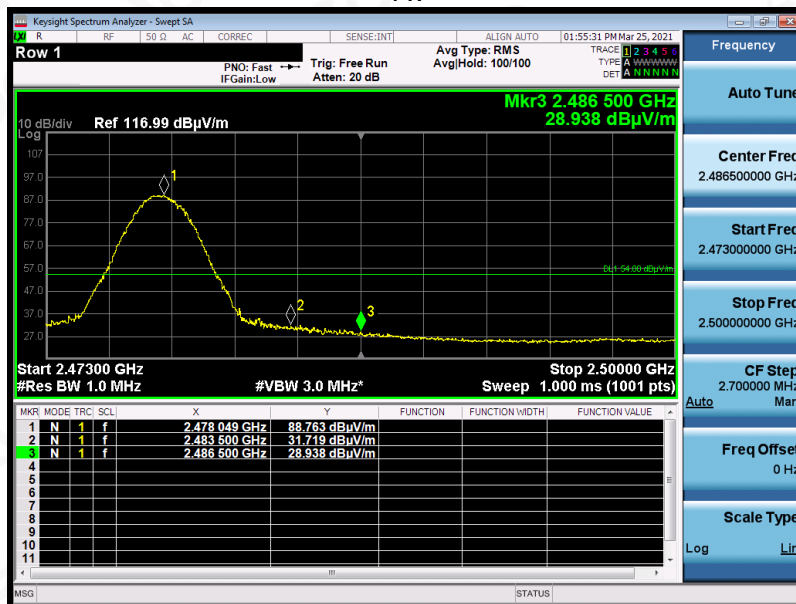


EUT	Wireless Headset	Model Name	RDA0032
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

PK



AV



RESULT: PASS

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